



U.S. Department
of Transportation

**Federal Aviation
Administration**

Advisory Circular

Subject: SYSTEMS FOR INTERACTIVE TRAINING
OF AIRPORT PERSONNEL

Date: 4/13/94

AC No: 150/5210-18

Initiated by: AAS-100

Change:

1. PURPOSE. This advisory circular (AC) provides guidance in the design of systems for interactive training of airport personnel.

2. APPLICATION. The Federal Aviation Administration recommends the use of the guidance in this publication for the preparation of specifications for equipment used for interactive training of airport personnel. Federal grant-in-aid agreements for projects involving the purchase of interactive training equipment will require the use of these specifications in procurement documents. The use of a performance specification (i.e., a description of the functions to be performed by the training equipment, as opposed to a material specification, which describes specific components) will provide for increased competition and innovation in the design of a cost-effective training system on the part of potential vendors.

3. BACKGROUND. Public Law 102-581 amended the Airport and Airway Improvement Act of 1982 (AAIA) to make systems for interactive training of airport personnel eligible for funding under the Airport Improvement Program (AIP) or for purchase with Passenger Facility Charge (PFC) revenue. It is intended that these systems are to be used to comply with federally mandated safety and security requirements. Funds are to be used only for equipment and the acquisition of training software, and not for administrative or personnel costs. Leasing of training equipment and software is not eligible.

4. FUNCTIONS AND STANDARDS. Interactive training systems shall:

- a. provide, through audio and visual display, the means for individuals to receive training information;
 - b. allow unrestricted scheduling of any available training program by the trainee or instructor;
 - c. provide a means for the individual to interact with the equipment by responding to cues, questions, or options;
 - d. be capable of storing information provided by each individual respondent and manipulate that information in such a way as to provide additional information based on the data received from each individual's response;
 - e. allow individualized and simultaneous training of one to six (as specified by the purchaser) individuals;
 - f. provide a means by which the trainee(s) may be tested on the information presented;
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- g.** provide a means by which the results of such tests may be made immediately known to the trainee and stored or displayed for review by the trainee and/or an instructor;
- h.** provide a means to produce a hard copy of the test results;
- i.** be compatible with at least one readily available series of training programs used to comply with federally mandated safety and security requirements, including, but not limited to, the Americans with Disabilities Act; the Clean Air Act; 14 CFR part 107, Airport Security; and 14 CFR part 139, Certification and Operations: Land Airports Serving Certain Air Carriers; and
- j.** utilize interactive training programs which may be produced without the use of technology owned by, or available only to, the retail seller of the hardware, thereby allowing the production of programs by other parties.

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